

# Appendix A

## Cable Connectors and Pinouts

This chapter contains tables that list the pinouts for the following cable connectors on the router:

Routing Engine Console Port DB-9 Connector on page 227

Routing Engine Auxiliary Port DB-9 Connector on page 228

Routing Engine Management Ethernet Port RJ-45 Connector on page 228

### Routing Engine Console Port DB-9 Connector

The Routing Engine console port DB-9 connector is used to cable the Routing Engine to the management console. It is located on the CIP and is labeled CONSOLE. The console port is configured as data terminal equipment (DTE). Table 35 lists the pinouts of the DB-9 connector.

**Table 35: Console Port DB-9 Connector Pinout**

Pin	Signal	Direction	Description
1	DCD	< –	Carrier Detect
2	RxD	< –	Receive Data
3	TxD	–>	Transmit Data
4	DTR	–>	Data Terminal Ready
5	Ground	—	Signal Ground
6	DSR	< –	Data Set Ready
7	RTS	–>	Request To Send
8	CTS	< –	Clear To Send
9	RING	< –	Ring Indicator

## Routing Engine Auxiliary Port DB-9 Connector

The Routing Engine auxiliary port DB-9 connector is used to cable the Routing Engine to modem, laptop, or other auxiliary unit. It is located on the CIP and is labeled AUXILIARY. The auxiliary port is configured as data terminal equipment (DTE). Table 36 lists the pinouts of the DB-9 connector.

**Table 36: Auxiliary Port DB-9 Connector Pinout**

Pin	Signal	Direction	Description
1	DCD	< –	Carrier Detect
2	RxD	< –	Receive Data
3	TxD	–>	Transmit Data
4	DTR	–>	Data Terminal Ready
5	Ground	—	Signal Ground
6	DSR	< –	Data Set Ready
7	RTS	–>	Request To Send
8	CTS	< –	Clear To Send
9	RING	< –	Ring Indicator

## Routing Engine Management Ethernet Port RJ-45 Connector

The 10/100-Mbps autosensing Ethernet RJ-45 connector is used for out-of-band management of the router. It is located on the CIP and is labeled ETHERNET. Table 37 lists the pinouts of the RJ-45 connector.

**Table 37: Ethernet Port RJ-45 Connector Pinout**

Pin	Signal
1	TX+
2	TX –
3	RX+
4	Termination network
5	Termination network
6	RX –
7	Termination network
8	Termination network